

PCT

WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : B01D 53/22, 63/08		A1	(11) International Publication Number: WO 00/47307
			(43) International Publication Date: 17 August 2000 (17.08.00)
<p>(21) International Application Number: PCT/US00/02071</p> <p>(22) International Filing Date: 31 January 2000 (31.01.00)</p> <p>(30) Priority Data: 60/117,972 29 January 1999 (29.01.99) US</p> <p>(71) Applicant (for all designated States except US): PALL CORPORATION [US/US]; 2200 Northern Boulevard, East Hills, NY 11548-1209 (US).</p> <p>(72) Inventors; and (75) Inventors/Applicants (for US only): FENDYA, Thomas, J. [US/US]; 137 North Main Street, Homer, NY 13077 (US). HURWITZ, Mark, F. [US/US]; 345 Snyderhill Road, Ithaca, NY 14850 (US). MILLER, John, D. [US/US]; 511 Kline Road, Ithaca, NY 14850 (US). GEIBEL, Stephen, A. [US/US]; 31 Prospect Terrace, Cortland, NY 13045 (US). SAMSON, Marc [CA/CA]; 701 Chemin des Cèdres, St. Placid, Quebec JOV 2B0 (CA).</p> <p>(74) Agent: BELZ, John, M.; Leydig, Voit & Mayer, Ltd., Suite 300, 700 Thirteenth Street, N.W., Washington, DC 20005 (US).</p>		<p>(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</p>	
<p>(54) Title: SEPARATION DEVICES AND PROCESSES</p> <p>(57) Abstract</p> <p>Separation device comprising a feed channel including a shear region, permeate passage(s) extending perpendicular to the direction of the feed flow and a porous medium positioned between the shear region of the feed channel and the permeate passage(s). Separation process comprising generating a shear layer in a feed fluid and passing permeate into the permeate passage(s).</p>			
			